PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-00148 **Tuesday April 22, 2003**

POLICY BRANCH INFORMATION

Satellite Space Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined the application is not in conformance with the Commission's rules or its policies. Petitions, oppositions and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-MOD-20030401-00059 E S2185 Hughes Network Systems, Inc.

Modification

Hughes Network Systems, Inc. (HNS) hereby requests that the Commission reassign S2185, a Ka band GSO FSS satellite, to the 30º E.L. location, and modify the Commission's current Ka Band Orbital Assignment Order to reflect this reassignment.

S2185 is part of the HNS SPACEWAY constellation and currently is assigned to 49º W.L. In order to be in the best position to serve Europe, the Mid-East, and Africa over the SPACEWAY system, HNS has determined that it needs access to two Ka band orbital locations with suitable coverage of that region. The 25º E.L. location currently assigned to HNS3 is one such location. HNS seeks a reassignment of S2185 to 30º E.L., thereby providing HNS with a license for two Ka band orbital locations with suitable coverage of Europe, the Mid-East, and Africa.

SAT-MOD-20030401-00060 E S2191 Hughes Network Systems, Inc.

Modification

Hughes Network Systems, Inc. (Hughes) hereby requests that the Commission modify Hughes's authorization for a Ka band satellite system at 103° W.L. to allow Hughes to implement minor changes. Hughes is proposing to incorporate minor system modifications to its licensed system configuration to integrate the 103° W.L. system into the SPACEWAY system, improve system performance, increase capacity for subscriber services, optimize the cost effectiveness of services to customers and ensure that the system design (as modified) meets all provisions of the FCC's Ka-Band rules.

Specifically, the significant changes include:

Use of 112 satellite receive beams (0.5 degrees each);
Use of phased-array antennas for downlink transmissions through small, hopping spot beams with higher EIRP, and greater antenna pointing accuracy and control;
Addition of a downlink broadcasting capability through multiple wide-area beams on each polarization to cover wide geographic areas;
A variety of user uplink data transmission rates to support different user terminal sizes, and a higher downlink transmission rate;
New bandwidth partitioning and frequency re-use schemes for uplink and downlink signals;
Time-sharing of downlink carriers between spot beams and wide-area beam services;
Incorporation of improved capability to do demodulation, re-modulation and packet switching;
Use of downlink power control to improve spacecraft power utilization; and
Improved Telemetry, Tracking and Command design.

SAT-STA-20030402-00061 E SES Americom, Inc.

Special Temporary Authority

SES AMERICOM, Inc. has filed a request for special temporary authority to relocate the AMC-2 space station from 85º W.L. to 105º W.L. and to operate the spacecraft at 105º W.L. Grant of the requested authority will allow SES AMERICOM to enhance its services to users at the 105º W.L. orbital location. SES AMERICOM seeks expedited action on this request to permit relocation of AMC-2 to begin in early June.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 202-418-2555.